

Kinked Retention Plated Through Hole Connector with Solder Posts

[Key Characteristics

Functionality

- Plated Through Hole Applications (PTH)
- Unique kinked retention mechanism
- Design enhances solderability
- Low insertion force

Resilient

- -55 to +125° C

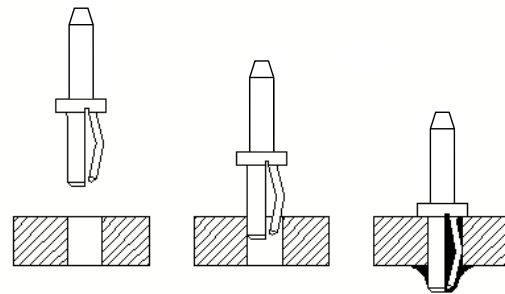
Adaptable

- Hand and semi automatic insertion
- Wide range of diameters



Kinky Pins were designed specifically to meet the demands of plated through hole (PTH) technology introduced in printed circuit boards. They tend to be used with flexi-circuit terminations and as solder terminals, connectors and in multiway pin arrays.

They use a unique kinked retention mechanism which gives a fit in the PTH that is unsurpassed. The kinked leg provides a tight non-aggressive spring loaded fit whilst the straight leg ensures the pin is kept perpendicular to the PCB prior to soldering.



[Technical Information

| | |
|-----------------------------------|---|
| Minimum Pitch using Assembly Tool | 2.5mm (0.098") 028,030,040 Series 3.0mm (0.118") 050,060 Series |
| Pin | Copper Alloy with Tin Lead Finish (option Gold, Silver, Tin) |
| Solderability | Exceeds Requirements of BS2011 (IEC 68) Test T |
| Assembly Tools Socket Assembly | AT1/KP1 (-/30P/KP2, -/30P/KP2/L) AT1/KP2 (028-040/T/KP2) AT1/KP3 (-/10P/30P/KP2/L, 050-060/T/KP2) |
| Line Socket | 30/LS/093 - to suit -/30P/KP2 and -/30P/KP2/L |
| Minimum Board Thickness | 1.4 (0.055") 2.36 (0.093") for -/10P |

[Ordering Information

| | Mounting Hole Diameter | Shoulder Diameter 'A' |
|---------|------------------------------------|-----------------------|
| 028/--- | 0.68mm (0.027") to 0.84mm (0.033") | 1.6mm (0.063") |
| 030/--- | 0.81mm (0.032") to 0.96mm (0.038") | 1.6mm (0.063") |
| 040/--- | 0.96mm (0.038") to 1.12mm (0.044") | 1.6mm (0.063") |
| 050/--- | 1.21mm (0.048") to 1.37mm (0.054") | 2.4mm (0.094") |
| 060/--- | 1.50mm (0.059") to 1.65mm (0.065") | 2.4mm (0.094") |

EXAMPLE: 028/30P/KP2/L

